



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/079,845	02/22/2002	Shunji Arai	00862.022527	7541

5514 7590 02/28/2006

FITZPATRICK CELLA HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NY 10112

EXAMINER

PHU, SANH D

ART UNIT PAPER NUMBER

2682

DATE MAILED: 02/28/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/079,845

Applicant(s)

ARAI, SHUNJI

Examiner

Sanh D. Phu

Art Unit

2682

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 15 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5,7,8,10-14,16-18 and 20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5,7,8,10-14,16-18 and 20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This Office Action is responsive to the RCE and Amendment filed on 12/15/05. Accordingly, claims 1-5, 7, 8, 10-14, 16-18 and 20 are currently pending; and claims 6, 9, 15 and 19 have been canceled.

Priority

2. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Claim Rejections – 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-5, 7, 8, 10-14, 16-18 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Nilsen et al (5,987,306), previously-cited.

–Regarding to claim 1, see figures 1, 7C, and col. 3, line 28 to col. 6, line 50, col. 9, lines 22–50, col. 16, line 16 to col. 17, line 3, Nilsen et al discloses a radio communication system (see figure 1) having a plurality of terminals (MTU) and a base station (CeNA),

wherein each of the terminals comprises:

a reception status detector (inherently included) for detecting a reception status (e.g, radio signal level, bit error rate, etc.) of a signal received from said base station (see col. 2, lines 12–22, col. 5, line 59 to col. 6, line 5); and

a notification unit (inherently included) for notifying said base station of the reception status detected by said reception status detector (see col. 5, line 59 to col. 6, line 5), and

wherein the base station comprises:

a management unit (CS) (see figure 1) for managing to communicate with the terminals based on identification information to identify each terminal (see col. 6, lines 22–50);

a collector (DBMS) (see figure 1) for collecting the reception statuses

of the terminals managed by said management unit (see col. 6, lines 42–64); and

a display control unit (see figure 7C) for displaying on a display unit, a symbol indicating identification information of each terminal in correspondence with the reception status of the terminal identified by respective identification information (see col. 16, line 21 to col. 17, line 3).

–Regarding to claim 2, Nilsen et al discloses that said terminals detect a received signal strength as the reception status of the signal received from said base station (see col. 2, lines 12–22).

–Regarding to claim 3, Nilsen et al discloses that the signal received from said base station is a signal obtained upon radio connection between said base station and said terminals (see col. 2, lines 12–22, col. 5, line 59 to col. 6, line 5).

–Regarding to claim 4, Nilsen et al discloses that said base station issues a reception status notification request to request the terminal to send the reception status; and when said terminals receive the reception status notification request from said base station, said notification unit of

said terminals notifies said base station of the reception status in response to the reception status notification request (see col. 5, line 60 to col. 6, line 5).

–Regarding to claim 5, Nilsen et al discloses that the signal received from said base station is a notification signal which is always transmitted from said base station (see col. 5, line 60 to col. 6, line 5); said terminals have a storage device for storing the reception status (see col. 16, lines 10–12); and said reception status detector detects the reception status upon reception of the notification signal and notifies said base station of the reception status (see col. 5, line 60 to col. 6, line 5).

–Regarding to claim 7, Nilsen et al discloses that said base station has an extractor which can be configured to extract the worst reception status among reception statuses by specified desired events for the worst reception status , and wherein said display control unit can be configured to display the worst reception status and the identification information of the terminal of the worst reception status extracted by said extractor on said display unit (see col. 16, lines 21–53).

-Regarding to claim 8, Nilsen et al discloses that if radio connection cannot be established with a terminal, e.g., drop call, block call, handover failure, said base station displays identification information of that terminal on said display unit (see figures 7C and 7D).

-Regarding to claim 10, Nilsen et al discloses that said base station has an interface "computer system" for connection with said display unit for controlling the displaying (see col. 16, lines 16-20).

-Regarding to claim 11, Nilsen et al discloses a system of communication between said base station and said terminals is a digital cordless phone system (see col. 1, lines 9-11).

-Regarding to claim 12, see figures 1, 7C, and col. 3, line 28 to col. 6, line 50, col. 9, lines 22-50, col. 16, line 16 to col. 17, line 3, Nilsen et al discloses method (see figure 1), in a radio communication system having a plurality of terminals (MTU) and a base station (CeNa), for displaying a reception status of said terminals on said base station, wherein said base station:

manages the terminals based on identification information to

identify each terminal;

collects the reception statuses of the managed terminals;

displays identification information of each terminal in

correspondence with the reception status of the terminal identified by
respective identification information.

-Regarding to claim 13, Nilsen et al discloses communication
apparatus comprising:

a manager (CS) (see figure 1) configured to manage a plurality of
terminals based on identification information to identify each terminal;

a collector (DBMS) configured to collect reception statuses of signals
received by the terminals managed by said manager;

a display controller (figure 7C) configured to display on a display
unit, a symbol indicating identification information of each terminal in
correspondence with the reception status of the terminal identification
information.

-Regarding to claim 14, Nilsen et al discloses that said display
controller displays a symbol indicating an identification information

about terminals that could and could not communicate, and displays the reception status, on the display unit (see figures 7C and 7D).

–Regarding to claim 16, Nilsen et al discloses that said display unit also displays an information about a terminal that could not communicate with the base station (see figures 7C and 7D).

–Regarding to claim 17, Nilsen et al discloses that said collector collects at least one of a received signal strength and a reception data error rate, as the reception status of the signal received from said base station (see col. 2, lines 12–22).

–Regarding to claim 18, Nilsen et al discloses that said display controller displays the identification information about of a terminal that could not communicate with the base station, on the display unit (see figures 7C and 7D).

–Regarding to claim 20, Nilsen et al discloses method for displaying a reception status of signals received by a plurality of terminals at a base station, said method comprising:

step (CS) (see figure 1) of managing the plurality of the terminals

based on identification information to identify each terminal;

step (DBMS) of collecting the reception statuses of the plurality of the terminals managed in said managing step; and

step (see figure 7C) of displaying the identification information of each terminal in correspondence with the collected reception status of the terminal identified by respective identification information.

Response to Arguments

5. Applicant's arguments filed on 12/15/05 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

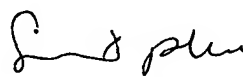
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sanh D. Phu whose telephone number is (571)272-7857. The examiner can normally be reached on M-Th from 7:00-17:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doris To can be reached on (571) 272-7629. The fax

phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sanh D. Phu
Examiner
Art Unit 2682


2/19/06

SP